

**WHAT IS CLAIMED IS:**

- 1           1. A method of providing data representative of geographical information to  
2     equipment for providing weather-related information, the method comprising:  
3           placing a telephone call over a telephone network from the equipment to an  
4     information server;  
5           receiving at the information server, in conjunction with the telephone call,  
6     information corresponding to an origin of the telephone call;  
7           processing the received information to generate data representative of geographical  
8     information;  
9           sending the data representative of geographical information to the equipment in  
10    conjunction with the telephone call;  
11          programming the equipment using the data representative of geographical  
12    information to provide geographically based weather-related information.  
13          2. The method of claim 1 wherein the equipment is a NOAA Weather Radio  
14    receiver.  
15          3. The method of claim 2 wherein the data representative of geographical  
16    information is a code indicating the geographical location of the equipment.  
17          4. The method of claim 3 wherein the code is a Specific Area Message Encoding  
18    code.  
19          5. The method of claim 1 wherein the equipment directly connects to the telephone  
20    network.  
21          6. The method of claim 5 wherein the equipment places the telephone call in  
22    response to a configuration command from a user.

23           7. The method of claim 1 wherein the processing step includes the information server  
24     querying a database.

25           8. The method of claim 7 wherein the database associates telephone numbers with  
26     data representative of geographical information.

27           9. The method of claim 8 wherein the information corresponding to the origin of the  
28     telephone call is the telephone number from which the call was placed.

29           10. The method of claim 9 wherein the processing step includes the information  
30     server querying the database to determine the data representative of geographical information  
31     associated with the telephone number from which the call was placed.

32           11. The method of claim 1 wherein the data representative of geographical  
33     information is sent to the equipment using Frequency Shift Keyed signals.

34           12. The method of claim 1 wherein the data representative of geographical  
35     information is sent to the equipment using Dual Tone Multiple Frequency signals.

36           13. The method of claim 1 wherein the telephone call is a toll-free telephone call.

37           14. The method of claim 1 wherein the information corresponding to the origin of the  
38     telephone call is automatic number identification.

39           15. The method of claim 1 wherein the information corresponding to the origin of the  
40     telephone call is an Incoming Caller Line Identification signal.

41           16. A system for providing data representative of geographical information to  
42     equipment for providing weather-related information, the system comprising:

43           means for placing a telephone call over a telephone network from the equipment to an  
44     information server;

45           means for receiving at the information server, in conjunction with the telephone call,  
46     information corresponding to an origin of the telephone call;

47 means for processing the received information to generate data representative of  
48 geographical information;

49 means for sending the data representative of geographical information to the  
50 equipment in conjunction with the telephone call;

51 means for programming the equipment using the data representative of geographical  
52 information to provide geographically based weather-related information.

53 17. The system of claim 16 wherein the equipment is a NOAA Weather Radio  
54 receiver.

55 18. The system of claim 16 wherein the data representative of geographical  
56 information is a code indicating the geographical location of the equipment.

57 19. The system of claim 18 wherein the code is a Specific Area Message Encoding  
58 code.

59 20. The system of claim 16 wherein the means for processing includes means for the  
60 information server querying a database.

61 21. The system of claim 20 wherein the database associates telephone numbers with  
62 data representative of geographical information.

63 22. The system of claim 21 wherein the information corresponding to the origin of  
64 the telephone call is the telephone number from which the call was placed.

65 23. The system of claim 22 wherein the means for processing includes means for the  
66 information server querying the database to determine the data representative of geographical  
67 information associated with the telephone number from which the call was placed.

68 24. Apparatus for providing weather-related information, comprising:  
69 a telephone jack for connecting to a telephone network;

70 a telephone call provisioning circuit for placing a telephone call over the telephone  
71 network;

72 a data receiver circuit for receiving data representative of geographical information;

73 a programming circuit for using the data representative of geographical information  
74 to provide geographically based weather-related information.

75 25. The apparatus of claim 24 wherein the apparatus is a NOAA Weather Radio  
76 receiver.

77 26. The apparatus of claim 25 wherein the data representative of geographical  
78 information is a code.

79 27. The apparatus of claim 26 wherein the code is a Specific Message Area Encoding  
80 code.

81 28. The apparatus of claim 24 wherein the data receiver circuit is configured to  
82 receive Frequency Shift Keyed signals.

83 29. The apparatus of claim 24 wherein the data receiver circuit is configured to  
84 receive Dual Tone Multiple Frequency signals.